

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P770389

Luminaire Tested: LD6D70BD010-EU6DR3570959035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770389
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR3570959035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6743.7 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

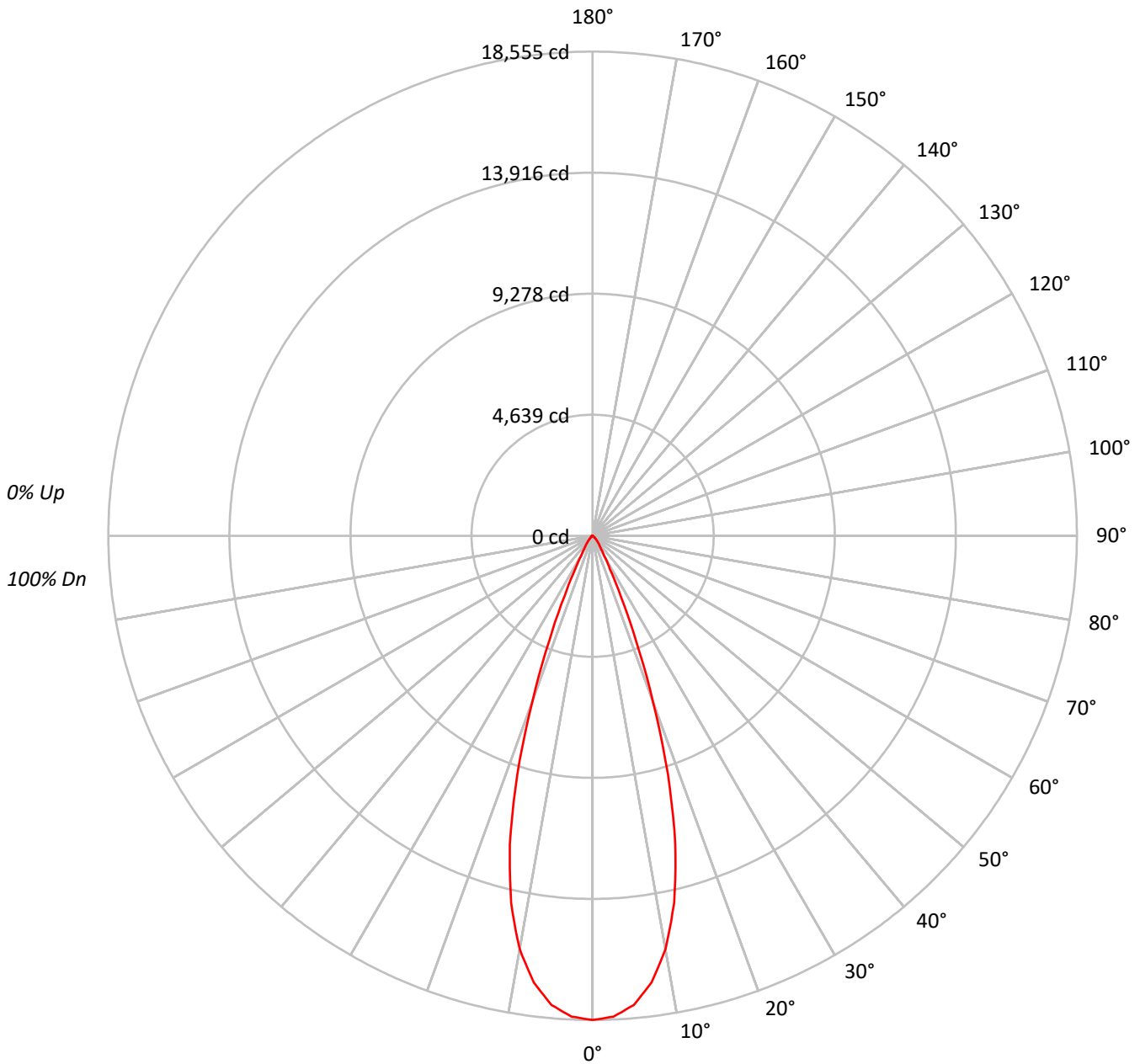


Downlight

TEST NUMBER: P770389

CATALOG NUMBER: LD6D70BD010-EU6DR3570959035-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P770389

CATALOG NUMBER: LD6D70BD010-EU6DR3570959035-6LBDP1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96			96
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88			88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84			84
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81			81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78			78
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75			75
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72			72
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70			70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2027355
5°	1979723
10°	1784249
15°	1384868
20°	785470
25°	305585
30°	114001
35°	62490
40°	40849
45°	24862
50°	15825
55°	11182
60°	8173
65°	4447
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24862 cd/sqm



TEST NUMBER: P770389

CATALOG NUMBER: LD6D70BD010-EU6DR3570959035-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1660.1	24.6
10°-20°	3241.2	48.1
20°-30°	1321.9	19.6
30°-40°	316.4	4.7
40°-50°	131.8	2.0
50°-60°	54.6	0.8
60°-70°	17.1	0.3
70°-80°	0.4	0.0
80°-90°	0.3	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6223.2	92.3
0°-40°	6539.6	97.0
0°-60°	6726.0	99.7
0°-90°	6743.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6743.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18555	
5°	18050	###
15°	12243	3241
25°	2535	1322
35°	468	316
45°	161	132
55°	59	55
65°	17	17
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P770389

CATALOG NUMBER: LD6D70BD010-EU6DR3570959035-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	18555.2
2.5°	18443.9
5°	18050.3
7.5°	17265.0
10°	16082.1
12.5°	14416.5
15°	12243.0
17.5°	9584.7
20°	6755.4
22.5°	4307.7
25°	2534.8
27.5°	1432.9
30°	903.6
32.5°	634.5
35°	468.5
37.5°	362.3
40°	286.4
42.5°	220.6
45°	160.9
47.5°	120.4
50°	93.1
52.5°	73.9
55°	58.7
57.5°	47.6
60°	37.4
62.5°	27.3
65°	17.2
67.5°	6.1
70°	1.0
72.5°	1.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)